

WATER HARVESTING CATCHMENT

Design Survey

The following information shall be obtained and recorded in the field notes:

- a. Topography as needed.
- b. Any limiting or controlling ground or water surface elevations.
- c. Soil investigations needed for sealant design.

Design Data

The following information should be considered minimum for design and pertinent data shall be included in the design notes:

- a. Catchment are (watershed):
 - (1) Yield computations.
 - (2) Soil sealant design if considered or used.
 - (3) Catchment surface materials design if considered or used.
- b. Water requirements.
- c. Storage system design.
- d. Fencing requirements.

Drawings and Specifications

The construction drawings shall include but will not be limited to the following:

- a. Overall plan view.
- b. Location Map.
- c. Profile showing grades and location of structural components.
- d. Structural plans and section views are required.
- e. Materials requirements.
- f. Installation details.
- g. Table of quantities.

Standard construction specifications along with applicable "Items of Work and Construction Details" shall be provided as needed to clarify the work. Simple jobs may have the specifications included on the drawings.

Layout Survey Notes

The following information shall be recorded in the field notes:

- a. Alignment and grade staking.

Compliance Checks

The complexity of the structure will dictate the need for compliance checks during construction. All construction and compliance checks shall be recorded as field notes or narratives in the field notes. Compliance checks shall include:

- a. Dimensions and elevations of structures.
- b. Materials details (class, type, rating, etc.).
- c. Statement of compliance.

As-Built Plans

As-Built plans shall be prepared to reflect all significant changes in linear measurements, quantities, alignment, materials, or other design modifications. If there were no significant changes, mark the original drawings "As-Built".